

What is claimed is:

1. A liquid crystal display device comprising  
a transmissive type liquid crystal display panel which  
sandwiches a liquid crystal layer between a pair of substrates  
5 and

a backlight which is arranged at a back face of the liquid  
crystal display panel and has a light source and a reflector  
and

is capable of performing a transmissive display which uses  
10 light from the light source and a reflective display which uses  
an external light incident from a front face side of the liquid  
crystal display panel by reflecting the external light on the  
reflector,

the improvement being characterized in that at least two  
15 or more light diffusion layers are arranged between the  
back-face-side substrate out of the pair of substrates and the  
reflector of the backlight.

2. A liquid crystal display device according to claim 1,  
wherein at least one of the light diffusion layers is constituted  
20 of a diffusion plate or a diffusion sheet.

3. A liquid crystal display device according to claim 1,  
wherein at least one of the light diffusion layers is constituted  
of a diffusion tacky adhesive material.

4. A liquid crystal display device according to claim 1,  
25 wherein at least one of the light diffusion layers is constituted

of a diffusion film.

5           5. A liquid crystal display device comprising  
            a transmissive type liquid crystal display panel which  
sandwiches a liquid crystal layer between a pair of substrates,  
            a light source,  
            a light guide body which is arranged at a back face side  
of the liquid crystal display panel and on which light from the  
light source is incident, and  
            a reflector which is arranged at a back face of the light  
10     guide body, and

            is capable of performing a transmissive display which uses  
light from the light source and a reflective display which uses  
an external light incident from a front face side of the liquid  
crystal display panel by reflecting the external light on the  
15     reflector,

            the improvement being characterized in that at least two  
or more light diffusion layers are arranged between the  
back-face-side substrate out of the pair of substrates and the  
light guide body.

20           6. A liquid crystal display device according to claim 5,  
wherein the liquid crystal display device includes

            a polarizer which is arranged between the back-face-side  
substrate out of the pair of substrates and the light guide body  
and

25           the light diffusion layer which is arranged between the

back-face-side substrate and the polarizer.

7. A liquid crystal display device according to claim 5,  
wherein the liquid crystal display device includes

a polarizer which is arranged between the back-face-side  
5 substrate out of the pair of substrates and the light guide body  
and

a diffusion tacky adhesive material which is arranged  
between the back-face-side substrate and the polarizer and acts  
as the light diffusion layer.

10 8. A liquid crystal display device according to claim 5,  
wherein the liquid crystal display device includes

a polarizer which is arranged between the back-face-side  
substrate out of the pair of substrates and the light guide body  
and

15 the light diffusion layer which is arranged on a surface  
of the polarizer at a side where the light guide body is positioned.

9. A liquid crystal display device according to claim 5,  
wherein the liquid crystal display device includes a polarizer  
provided with an antiglare layer which is arranged between the  
20 back-face-side substrate out of the pair of substrates and the  
light guide body and acts as the light diffusion layer.

10. A liquid crystal display device according to claim  
5, wherein the liquid crystal display device includes

a polarizer which is arranged between the back-face-side  
25 substrate out of the pair of substrates and the light guide body,

a reflection polarizer which is arranged between the polarizer and the light guide body, and

the light diffusion layer which is arranged between the polarizer and the reflection polarizer.

5        11. A liquid crystal display device according to claim 5, wherein the liquid crystal display device includes

a polarizer which is arranged between the back-face-side substrate out of the pair of substrates and the light guide body,

a reflection polarizer which is arranged between the  
10 polarizer and the light guide body, and

a diffusion tacky adhesive material which is arranged between the polarizer and the reflection polarizer and acts as the light diffusion layer.

12. A liquid crystal display device according to claim  
15 5, wherein the liquid crystal display device includes

a polarizer which is arranged between the back-face-side substrate out of the pair of substrates and the light guide body,

a reflection polarizer which is arranged between the polarizer and the light guide body,

20 the light diffusion layer which is arranged between the back-face-side substrate and the polarizer, and

the light diffusion layer which is arranged between the polarizer and the reflection polarizer.

13. A liquid crystal display device according to claim  
25 5, wherein the liquid crystal display device includes a diffusion

plate or a diffusion sheet which acts as one of the light diffusion layers and the diffusion plate or the diffusion sheet is arranged at a position closest to the light guide body among at least two or more light diffusion layers.

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